

LISTING OF CLAIMS

1. (previously presented): An apparatus for detecting finger-motion in a wireless manner comprising:

a finger-motion detecting unit, which is configured to be attached to a user's finger, is operated using a wireless power signal and is configured in the form of a switch, and is adapted to generate a finger-motion signal corresponding to the user's finger when the switch is turned on;

a finger-motion signal transmitting unit, which is operated using the wireless power signal, receives the finger-motion signal provided from the finger-motion detecting unit, modulates the finger-motion signal to have information on which finger is moved, and transmits the modulated finger-motion signal in a wireless manner; and

a finger-motion signal receiving unit, which outputs the wireless power signal and receives and reads the modulated finger-motion signal provided from the finger-motion signal transmitting unit to determine which finger is moved,

wherein the finger-motion signal transmitting unit is configured to be attached to the user's finger and the finger-motion signal receiving unit is configured to be attached to another part of the user's hand, and

wherein the finger-motion signal transmitting unit comprises a control unit which is a radio frequency identification (RFID) chip driven by a predetermined amount of power, stores an identifier (ID) of the finger and is adapted to store a finger-motion signal inputted from the finger-motion detecting unit, and convert the finger-motion signal into the modulated finger-motion signal.

2. (previously presented): The apparatus of claim 1, wherein the finger-motion signal transmitting unit includes:

a coil unit which generates the predetermined amount of power using the wireless power signal, and outputs the modulated finger-motion signal in a wireless manner.

3. (original): The apparatus of claim 2, wherein the control unit converts an alternating current power generated by the coil unit into a direct current power to generate the predetermined amount of power.

4. (original): The apparatus of claim 2, wherein the control unit modulates the finger-motion signal into a finger-motion signal having a predetermined frequency, depending on which finger is moved, and outputs the modulated finger-motion signal.

5. (previously presented): The apparatus of claim 2, wherein the coil unit is configured to be wound about a finger whose motion is to be detected, and the control unit is configured to be positioned on top of the finger in the form of a chip.

6. (canceled).

7. (previously presented): The apparatus of claim 1, wherein the switch is configured to be mounted on a predetermined joint of a the user's finger, and is adapted to generate the finger-motion signal when the switch is turned on by user flexing a joint.

8. (previously presented): The apparatus of claim 1, wherein the switch is configured to be mounted on an end of a the user's finger, and is adapted to generate the finger-motion signal when the switch is turned on by a user tapping with the finger.

9. (previously presented): The apparatus of claim 1, wherein the switch is configured to be installed between a user's adjacent fingers, and is adapted to generate the finger-motion signal when a first finger, on which the switch is installed, and a second finger, adjacent to the first finger, come in contact with each other and the switch is turned on.

10. (previously presented): The apparatus of claim 1, wherein the switch is configured to be installed on a the user's finger, and is adapted to generate the finger-motion signal when the finger, on which the switch is installed, and the thumb come in contact with each other and the switch is turned on.

11. (previously presented): A method for detecting finger-motion in a wireless manner comprising:

(a) converting a predetermined wireless power signal into a predetermined amount of power;

(b) generating a finger-motion signal when a switch installed on a user's finger is turned on using the predetermined amount of power;

(c) receiving the finger-motion signal corresponding to the user's finger, modulating the finger-motion signal to have information on which finger is moved, and transmitting the modulated finger-motion signal in a wireless manner; and

(d) receiving and reading the modulated finger-motion signal and determining which finger is moved,

wherein the predetermined wireless power signal is provided by a finger-motion signal receiving unit, and the steps (c) and (d) are performed by a finger-motion transmitting unit and the finger-motion signal receiving unit, respectively,

wherein the finger-motion signal transmitting unit is configured to be attached to the user's finger and the finger-motion signal receiving unit is configured to be attached to another part of the user's hand, and

wherein the finger-motion signal transmitting unit includes a control unit which is a radio frequency identification (RFID) chip driven by a predetermined amount of power, stores an identifier (ID) of the finger and is adapted to store a finger-motion signal inputted from the finger-motion detecting unit, and convert the finger-motion signal into the modulated finger-motion signal.

12. (previously presented): The method of claim 11, wherein the step (a) includes converting an alternating current power induced by the wireless power signal into the predetermined amount of power by rectifying the alternating current power.

13. (original): The method of claim 11, wherein the step (c) includes modulating the finger-motion signal into a finger-motion signal having a predetermined frequency, depending on which finger is moved, and outputting the modulated finger-motion signal in a wireless manner.

14. (canceled).

15. (previously presented): The method of claim 11, wherein the switch is mounted on a predetermined joint of the user's finger, and is adapted to generate a finger-motion signal when the switch is turned on by user's flexing the joint.

16. (previously presented): The method of claim 11, wherein the switch is mounted on the end of the user's finger, and is adapted to generate a finger-motion signal when the switch is turned on by user's tapping on the floor with the finger.

17. (previously presented): The method of claim 11, wherein the switch is mounted between adjacent fingers, and is adapted to generate a finger-motion signal when a first finger, on which the switch is mounted, and a second finger, adjacent to the first finger, come in contact with each other and the switch is turned on.

18. (previously presented): The method of claim 11, wherein the switch is mounted on the user's finger, and is adapted to generate a finger-motion signal when the finger, on which the switch is mounted, and the thumb come in contact with each other and the switch is turned on.

19 - 22. (canceled)